

Converting Colors

XYZ(13.9268, 14.7829, 14.0388)

Have a look what the booklet for
XYZ(13.9268, 14.7829, 14.0388)
contains.

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Color

**XYZ(13.8165, 14.6675,
13.9073)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6B63
RGB	109, 107, 99
RGB Percent	43%, 42%, 39%
CMY	0.5725, 0.5804, 0.6118
CMYK	0.00, 0.02, 0.09, 0.57
HSL	48°, 5%, 41%
HSV	48°, 9%, 43%
XYZ	13.8165, 14.6675, 13.9073
YIQ	106.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

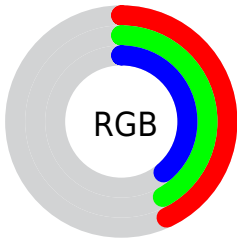
Format	Color
RYB	102, 109, 99
Decimal	7170915
CIELab	45.18, -0.79, 4.75
CIELCh	45, 4.818, 99.407
Yxy	14.6675, 0.3259, 0.3460
Android (android.graphics.Color)	4285360995 (0xFF6D6B63)
YUV	106.6860, -3.7892, 2.0294
Hunter-Lab	38.2982, -2.6259, 5.2786

Details

The XYZ color **13.8165, 14.6675, 13.9073** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5595, 13.0638, 16.3277**, and the grayscale version is **13.8980, 14.6218, 15.9232**.

A 20% lighter version of the original color is **32.2291, 34.1293, 33.7431**, and **4.2451, 4.5129, 4.0155** is the 20% darker color. If you saturate the color by 10%, you get **13.1062, 14.0252, 11.2708**, and if you desaturate by 10%, it is **14.6037, 15.3506, 16.9169**.

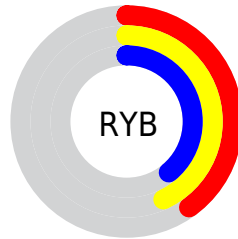
Distribution



Red (43%)

Green (42%)

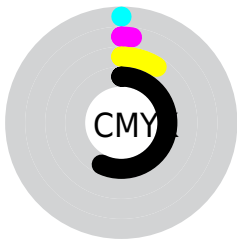
Blue (39%)



Red (40%)

Yellow (43%)

Blue (39%)

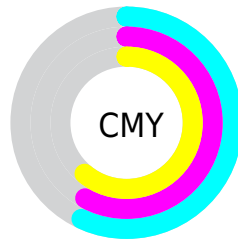


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (57%)



Cyan (57%)

Magenta (58%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8165, 14.6675, 13.9073 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.8165, 14.6675, 13.9073 by changing the saturation by 10% instead.

■ 13.8165, 14.6675,
13.9073

■ 13.8165, 14.6675,
13.9073

209.6198,
221.3448, 228.0617

■ 8.0740, 8.5864,
7.9182

■ 32.3521, 34.2688,
33.6392

■ 4.1945, 4.4724,
3.9556

■ 45.8758, 48.5578,
48.2191

■ 1.8128, 1.9412,
1.6010

■ 62.7241, 66.3515,
66.4997

■ 0.5253, 0.5729,
0.2916

■ 83.2622, 88.0343,
88.8995

■ 0.0000, 0.0000,
0.0000

107.8554,
113.9906, 115.8371

136.8692,

144.6049, 147.7309

170.6689,
180.2615, 184.9996

■ 13.8165, 14.6675,
13.9073

■ 13.8165, 14.6675,
13.9073

■ 13.1062, 14.0252,
11.2708

■ 14.6037, 15.3506,
16.9169

■ 12.4688, 13.4207,
8.9917

■ 15.4692, 16.0738,
20.3125

■ 11.9016, 12.8533,
7.0545

■ 16.4160, 16.8388,
24.1077

■ 11.4013, 12.3216,
5.4424

■ 17.4466, 17.6466,
28.3150

■ 10.9645, 11.8242,
4.1369

■ 18.5632, 18.4983,
32.9466

■ 10.5872, 11.3594,
3.1179

■ 19.7681, 19.3947,
38.0138

■ 10.2651, 10.9254,
2.3628

■ 21.0635, 20.3368,
43.5279

■ 9.9933, 10.5202,
1.8454

■ 22.4513, 21.3255,
49.4995

■ 9.7531, 10.1362,
1.4683

■ 23.9337, 22.3617,
55.9389

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.2115, 14.6675, 14.0082



13.8165, 14.6675, 13.9073



13.4615, 14.6675, 14.3385

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.8165, 14.6675, 13.9073



13.3589, 14.6675, 17.4003



14.6686, 14.6675, 16.7526

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.8165, 14.6675, 13.9073



12.5595, 13.0638, 16.3277

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.4317, 14.6675, 17.7216



13.8165, 14.6675, 13.9073



13.6740, 14.6675, 18.1078

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.8165, 14.6675, 13.9073



13.2007, 14.6675, 16.3308



14.0663, 14.6675, 18.2281



14.7085, 14.6675, 15.6154

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.8165, 14.6675, 13.9073



13.2936, 14.6675, 14.8824



14.0663, 14.6675, 18.2281



14.6092, 14.6675, 17.1102

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.8169, 14.6681, 13.9076



25.5827, 27.0012, 28.1045



13.1176, 13.1147, 14.1521



5.9305, 6.2636, 6.4527



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8169, 14.6681, 13.9076



24.4587, 26.0143, 23.8423



13.6648, 14.9024, 13.9609



3.2844, 3.4860, 3.3172



11.3679, 11.7854, 1.6757



57.3055, 58.8147, 8.3320

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.5595, 13.0638, 16.3277



21.7221, 22.5225, 29.1096



12.7018, 12.8528, 16.2794



2.9929, 3.1141, 3.8782



3.5435, 1.9213, 17.1063



17.5447, 8.7680, 86.9939

Previews

White Background



This preview shows how the XYZ color 13.8165, 14.6675, 13.9073 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.8165, 14.6675, 13.9073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

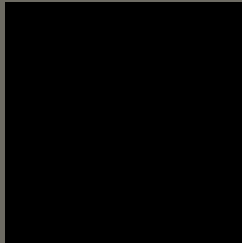
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

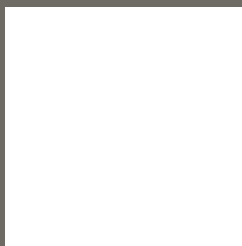
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8165, 14.6675, 13.9073

Background



This preview shows how black text looks on a background with the XYZ color 13.8165, 14.6675, 13.9073.

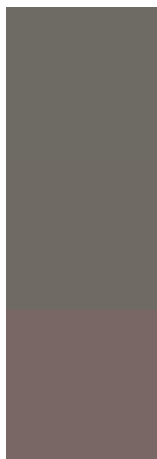


This preview shows how white text looks on a background with the XYZ color 13.8165, 14.6675,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.8165, 14.6675, 13.9073

Protanopia

13.9617, 14.5884, 13.8844

Deuteranopia

14.8962, 14.6137, 14.0922



Tritanopia

14.5878, 14.6749, 17.6865

Trichromacy



Original Color

13.8165, 14.6675, 13.9073

Protanomaly

13.8366, 14.5239, 13.8785

Deuteranomaly

14.4530, 14.5337, 14.1001

Tritanomaly

14.2912, 14.7058, 16.2726

Monochromacy



Original Color

13.8165, 14.6675, 13.9073

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.9407, 14.7030, 15.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8165, 14.6675, 13.9073 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 107, 99)` looks like.

```
.text, #text, p{  
    color:rgb(109, 107, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 107, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 107, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.8165, 14.6675, 13.9073 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 107, 99) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(109, 107, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(109, 107, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 107, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 107, 99);  
box-shadow:4px 4px 4px 4px rgb(109, 107,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8165, 14.6675, 13.9073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 107, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109,  
107, 99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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